

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/01080

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07H15/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LANG S ET AL: "ANTIMICROBIAL EFFECTS OF BIOSURFACTANTS" FETT WISSENSCHAFT TECHNOLOGIE- FAT SCIENCE TECHNOLOGY, CONRADIN INDUSTRIEVERLAG. LEINFELDEN ECHTERDINGEN, DE, vol. 91, no. 9, 1989, pages 363-366, XP002165892 ISSN: 0931-5985 page 365; figure 4</p> <p style="text-align: center;">-/-</p>	1-4

☒ Further documents are listed in the continuation of box C.☐ Patent family members are listed in annex:

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

23 October 2003

Date of mailing of the international search report

03/11/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09, 13 October 2000 (2000-10-13) & JP 2000 169495 A (TAKEDA CHEM IND LTD), 20 June 2000 (2000-06-20) abstract	1-4
X	& JP 2000 169495 A (TAKEDA CHEM IND LTD) 20 June 2000 (2000-06-20) the whole document -----	1-4

## INTERNATIONAL SEARCH REPORT

on patent family members

International Application No

PCT/ 3/01080

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2000169495 A	20-06-2000	NONE	